

10/587306

JAP6 Rec'd PCT/PTO 26 JUL 2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q95729

Takeshi MORIMOTO, et al.

Appln. No.: National Stage of PCT/JP2004/018291 10/587,306

Confirmation No.: ~~Not yet assigned~~

Group Art Unit: ~~Not yet assigned~~ 2828

Filed: July 26, 2006

Examiner: ~~Not yet assigned~~ Joshua King

For: LASER DIODE PUMPED SOLID-STATE LASER OSCILLATOR AND LASER  
DIODE CONTROL METHOD OF THE OSCILLATOR

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicants enclose herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents (Japanese language International Search Report for PCT/JP2004/018291 dated March 15, 2005), together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicants submit the following explanations:

*Japanese Patent Application (KOKAI) No. 10-284789 - This document discloses a laser diode drive circuit which monitors an optical output of a laser diode, and controls so as to flow a laser diode bias current by bias circuit connected in parallel to the laser diode when the output is predetermined value or less. This document is also cited on page 4 in the specification of the present application and an English language abstract is attached.*

*Japanese Patent Application (KOKAI) No. 59-103565 - This document discloses a circuit which conducts a light emitting diode when the light emitting diode is not in a conduction state. It does not have a function for controlling a bypass circuit based on an external signal. This document is also cited on page 4 in the specification of the present application and an English language abstract is attached.*

*Japanese Patent Application (KOKAI) No. 59-113768 - This document discloses an optical gate signal generator which bypasses a current to a bypass circuit which has an alternative light emitting diode when an open malfunction occurs on a light emitting diode. This document is also cited on page 8 in the specification of the present application and an English language abstract is attached.*

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JUL 26 2006

INFORMATION DISCLOSURE STATEMENT  
U.S. Appl. No.: National Stage of PCT/JP2004/018291  
Attorney Docket No. Q95729

*Japanese Patent Application (KOKAI) No. 2001-353897 - This document discloses an image forming apparatus which detects a light emitting state of a laser diode, and continues to drive a light emitting source when a malfunction number of light emitting source is predetermined value or less. An English language abstract is also attached.*

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

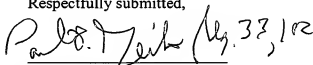
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Date: July 26, 2006

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	National Stage of PCT/JP2004/018291 10/587,306
Confirmation Number	Not yet assigned
Filing Date	July 26, 2006
First Named Inventor	Takeshi MORIMOTO
Art Unit	Not yet assigned 2828
Examiner Name	Not yet assigned Joshua King
Attorney Docket Number	Q95729

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
/JK/		JP	2004-14917	A	01-15-2004	NIPPON ELECTRIC CO.	Abstract
		JP	2002-50813	A	02-15-2002	TOKYO SHIBAURA ELECTRIC CO.	Abstract
		JP	10-284789	A	10-23-1998	NIPPON ELECTRIC CO.	Abstract
		JP	59-103565	A	06-15-1984	HITACHI LTD.	Abstract
		JP	59-113768	A	06-30-1984	TOKYO SHIBAURA ELECTRIC CO.	Abstract
		JP	2001-353897	A	12-25-2001	RICOH KK	Abstract

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>

Examiner Signature	/Joshua King/	Date Considered	05/22/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the nlrtran. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.